

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	08-252918.pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:53
S2	5	"59255".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:30
S3	0	"4-59255".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:30
S4	0	"4-59255"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:30
S5	1	"4 59255"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:31
S6	0	2000-6423	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:32
S7	22	"252918"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:32
S8	16695941	jp	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:32
S9	4	S7 and S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:33
S10	0	S7 adj S8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/03 12:33

## EAST Search History

S11	458	239/690.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:53
S12	234	239/708.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:14
S13	466	239/589.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:14
S14	729	239/601.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:37
S15	1014	239/601,dig.19.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:37
S16	1397728	voltage	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:38
S17	38	S15 and S16	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:39
S18	0	"239dig.""19".ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:39
S19	294	"239/dig.""19".ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:39
S20	0	"137758".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/10 14:53
S21	3	"137758".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:53
S22	4	"252918".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:55
S23	0	"08-252918".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:54
S24	0	"08 252918".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:54
S25	2	"08252918".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:54

## EAST Search History

S26	2	"2001252918".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:55
S27	2	"2001137758".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:56
S28	2	"2002154211".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:57
S29	3	"200015817".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:57
S30	4	"2000006423".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:58
S31	2	"2002172787".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:58
S32	1	"04059255".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:59
S33	3	"2003225591".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 14:59
S34	7	"1275440".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/04/10 15:00
S35	0	"liquid jet\$4"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/10 15:06
S36	15285	liquid adj jet\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/10 15:07
S37	1891	S16 and S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/10 15:08

## EAST Search History

S38	527297	micro	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/10 15:08
S39	470	S37 and S38	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/10 15:16
S40	1606	liquid adj jetting	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/10 15:17
S41	220	S16 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/10 15:17
S42	7	("6042709"   "6086740"   "6176962"   "6322683").PN. OR ("6481648").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/10 16:00
S43	2928666	diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/11 08:43
S44	31	(US-20020158027-\$ or US-20040195403-\$ or US-20060049272-\$).did. or (US-5972417-\$ or US-6811090-\$ or US-6386195-\$ or US-4814788-\$ or US-6481648-\$ or US-4508265-\$ or US-6206307-\$ or US-3886565-\$ or US-5290600-\$ or US-4830872-\$ or US-4159806-\$ or US-5163625-\$ or US-5165601-\$ or US-6802589-\$ or US-6032871-\$ or US-6227465-\$ or US-6752482-\$ or US-5477249-\$ or US-6457470-\$ or US-4011991-\$ or US-4627875-\$ or US-6105571-\$ or US-6336697-\$).did. or (JP-04059255-\$ or JP-05200328-\$).did. or (EP-1275440-\$ or JP-08252918-\$ or JP-2001137758-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/04/11 08:43
S45	18	S43 and S44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/11 08:43
S46	27	("3786517"   "4439780"   "4493550"   "4851926"   "4905024"   "4943818"   "5144340"   "5270740"   "5351183").PN. OR ("5477249").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/11 08:48

## EAST Search History

S47	15	("1060089"   "3198442"   "4095962"   "4431137"   "4749125"   "4776515"   "4801086"   "4830872"   "4887545"   "4962891").PN. OR ("5165601").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/11 09:04
S48	163	"3060429"	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/11 09:04
S49	2	"3060429".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/11 09:04
S50	2	"6481648".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/12 09:11
S51	495	239/596.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/12 09:24
S52	399	239/596.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 10:27
S53	0	239/cls..ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 10:27
S54	349	239/67,68.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 10:28
S55	311	239/102.1.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 10:51
S56	1143	239/102.1,102.2.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 10:29
S57	941	239/102.2.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 12:23
S58	30	239/435.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 11:13
S59	27	("3786517"   "4439780"   "4493550"   "4851926"   "4905024"   "4943818"   "5144340"   "5270740"   "5351183").PN. OR ("5477249").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 11:31
S60	1288	347/55.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 12:31
S61	1849	347/68.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 13:25

## EAST Search History

S62	11	S60 and S61	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 12:24
S63	1	"20060017782"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 12:33
S64	1	"20060044369"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/04/12 12:35
S65	1	"5477249".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:18
S66	16	("3828354"   "3871004"   "3911448").PN. OR ("4281333").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/04/12 13:48
S67	2	"5477249".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/13 10:50
S68	1	"5477249".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:57
S69	1197	"1.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 14:09
S70	783	"2.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:57
S71	586	"3.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:57
S72	290	"4.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:57
S74	1096	"5.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:57
S75	196	"6.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:57
S77	134	"7.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:57
S78	206	"8.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:57
S79	3869	(S69 or S70 or S71 or S72 or S74 or S75 or S77 or S78)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:58

## EAST Search History

S80	43	(US-20060017782-\$ or US-20040195403-\$ or US-20020158027-\$ or US-20020041311-\$ or US-20060043212-\$ or US-20060049272-\$).did. or (US-6105571-\$ or US-5144340-\$ or US-6457470-\$ or US-6752482-\$ or US-3886565-\$ or US-6899283-\$ or US-6722580-\$ or US-6097408-\$ or US-6036302-\$ or US-5290600-\$ or US-6227465-\$ or US-6386195-\$ or US-4508265-\$ or US-6032871-\$ or US-5165601-\$ or US-6824083-\$ or US-4830872-\$ or US-4814788-\$ or US-6811090-\$ or US-4627875-\$ or US-6206307-\$ or US-6802589-\$ or US-6481648-\$ or US-5972417-\$ or US-5163625-\$ or US-5477249-\$).did. or (US-4011991-\$ or US-4159806-\$ or US-6336697-\$ or US-4717926-\$ or US-4588998-\$ or US-4281333-\$).did. or (JP-04059255-\$ or JP-05200328-\$).did. or (JP-08252918-\$ or JP-2001137758-\$ or EP-1275440-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/09/12 13:59
S81	0	S79 and S80	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:59
S82	3	S79 near nozzle	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:59
S83	138	S79 near diameter	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:59
S84	1	S79 near orifice	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 13:59
S85	0	".mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 14:09
S86	0	"\$.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 14:09
S87	0	".mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 14:09
S88	620	"20.mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 14:10
S89	0	"20 .mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 14:10
S90	0	"10 .mu.m"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 14:10

## EAST Search History

S91	415	voltage with (nozzle or orifice) near diameter	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/12 14:12
S92	1	"dielectric breakdown strength"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 14:29
S93	48	(US-20060017782-\$ or US-20050116069-\$ or US-20060043212-\$ or US-20020041311-\$ or US-20060049272-\$ or US-20020158027-\$ or US-20040195403-\$ or US-20060125363-\$).did. or (US-6105571-\$ or US-6036302-\$ or US-3886565-\$ or US-6752482-\$ or US-4814788-\$ or US-5163625-\$ or US-4830872-\$ or US-6097408-\$ or US-6227465-\$ or US-4508265-\$ or US-5477249-\$ or US-5972417-\$ or US-5144340-\$ or US-6802589-\$ or US-5165601-\$ or US-6481648-\$ or US-4627875-\$ or US-6032871-\$ or US-6956207-\$ or US-4159806-\$ or US-6824083-\$ or US-6899283-\$ or US-6722580-\$ or US-6206307-\$ or US-6457470-\$ or US-6811090-\$).did. or (US-4717926-\$ or US-4011991-\$ or US-6386195-\$ or US-5290600-\$ or US-6336697-\$ or US-4588998-\$ or US-4281333-\$ or US-7037812-\$).did. or (JP-05200328-\$ or JP-04059255-\$ or JP-2006088130-\$).did. or (JP-08252918-\$ or JP-2001137758-\$ or EP-1275440-\$).did.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2006/09/14 14:26
S94	0	S92 and S93	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:29
S95	2320	kV/mm	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:28
S96	0	S92 and S95	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:30
S97	1852	"dielectric breakdown strength"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 14:29
S98	2	S97 and S93	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:29
S99	82	S97 and S95	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:30



## EAST Search History

S100	55	S97 same S95	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:35
S101	7	S97 near S95	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:30
S102	139826	polyimide	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:35
S103	14	S100 and S102	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:38
S104	55	S100 same11	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:38
S105	4	S100 same S102	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 14:38
S106	1	"6412925".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:18
S107	476	239/690.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:44
S108	236	239/708.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:44
S109	493	239/589.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:44
S110	742	239/601.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:46
S111	1027	239/601,dig.19.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:49
S112	520	239/596.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:48
S113	1307	347/55.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:45
S114	30	239/435.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:49
S115	971	239/102.2.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:45

## EAST Search History

S116	327	239/102.1.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:45
S117	377	239/67,68.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/09/14 15:45
S118	2	"6420476".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/09/14 15:53